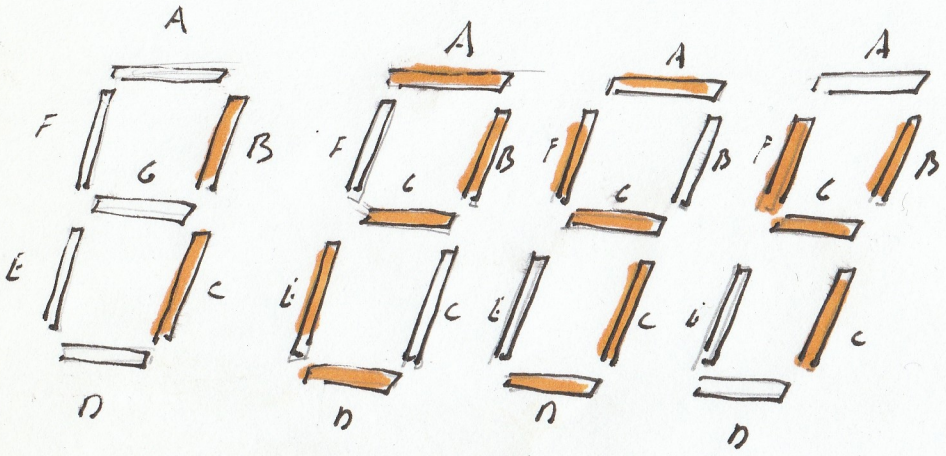


4 DIGIT 7 SEGMENT CLOCK

TIME 12:54

FIRST DOUBLE HOUR DIGIT B+C

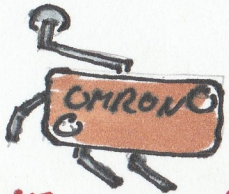
SECOND SINGLE HOUR DIGIT A+B+D+E+G

DOUBLE MINUTE DIGIT A+C+D+F+G

SINGLE MINUTE DIGIT B+C+F+G

APPLIES TO LED AND PANAPLEX NEON

NEEDS 7x4 = 28 MICRO SWITCHES



EACH DIGIT HAS (7) MICRO SWITCHES

SEVEN

4 DIGIT NIXIE CLOCK

12 54

FIRST DOUBLE HR DIGIT — CONNECT TO 1

SECOND SINGLE HOUR DIGIT — CONNECT TO 2

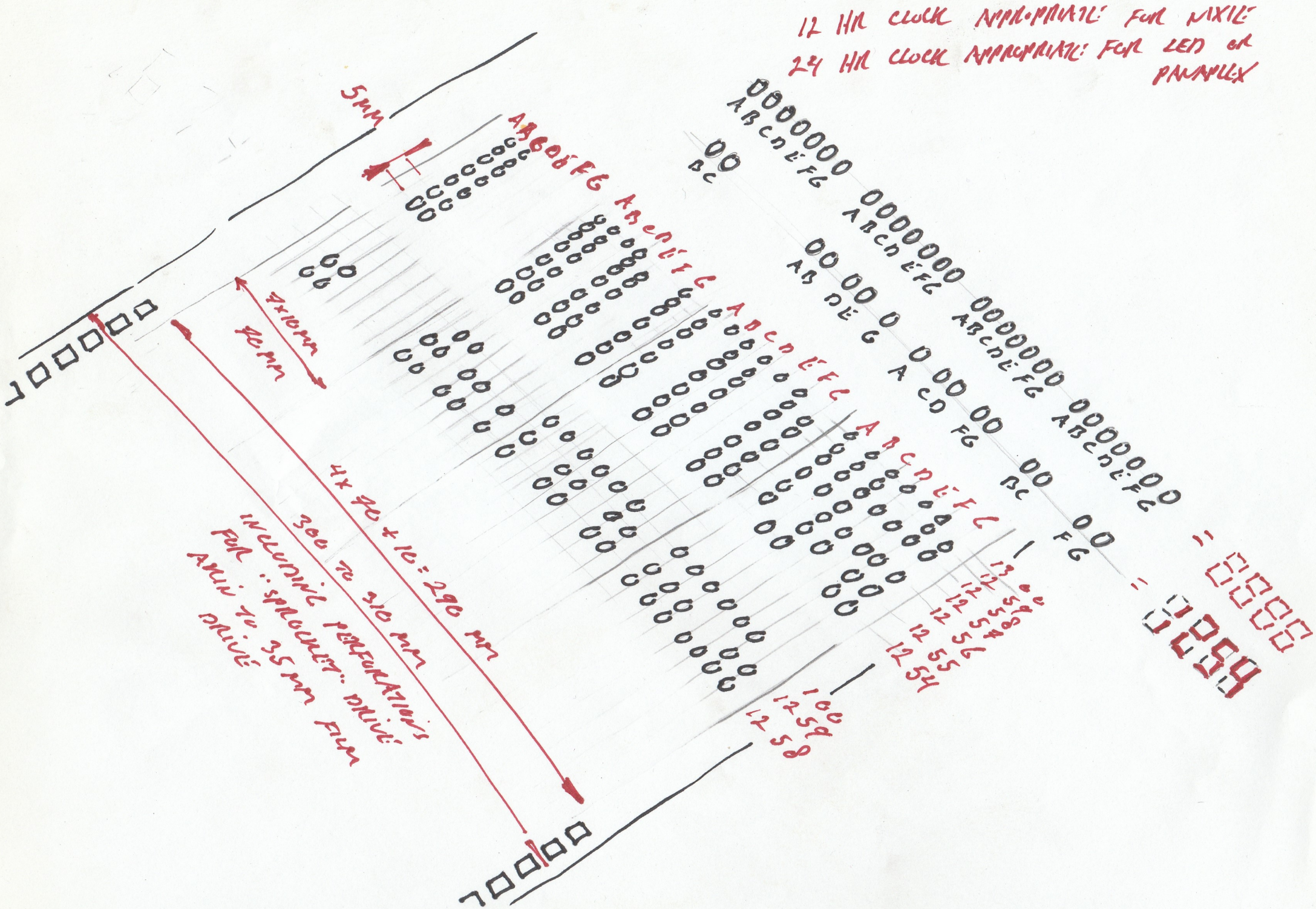
DOUBLE MINUTE DIGIT - CONNECT TO 5

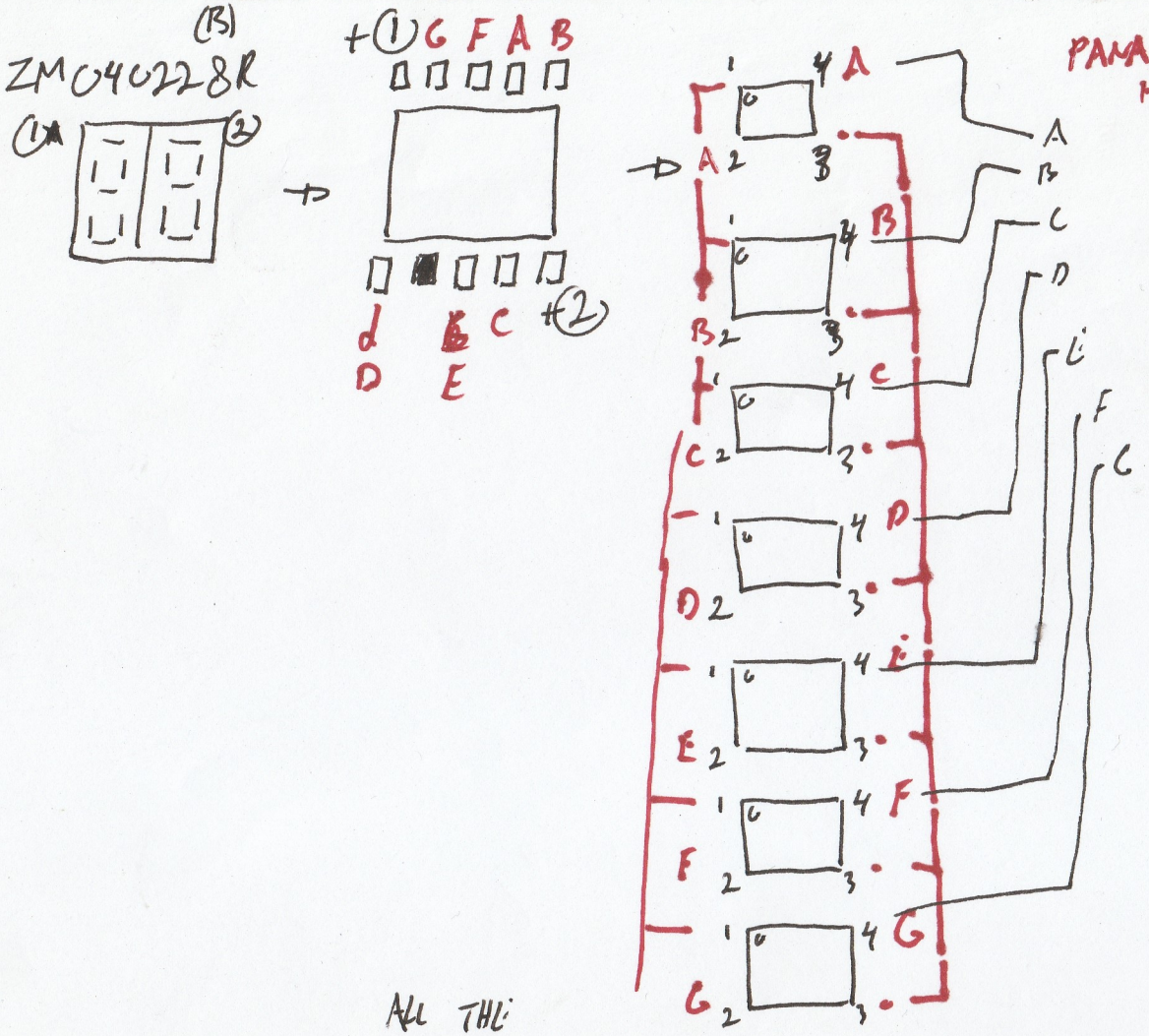
SINGLE MINUTE DIGIT - CONNECT TO 4

APPLIES TO NIXIE NEON

NEEDS 29 MICRO SWITCHES FOR A 24 HR CLOCK WITH LEADING (0) IN DOUBLE HOUR DIGIT OR 27 MICRO SWITCHES FOR A 12 HOUR CLOCK WITH NO LEADING (0) ZERO

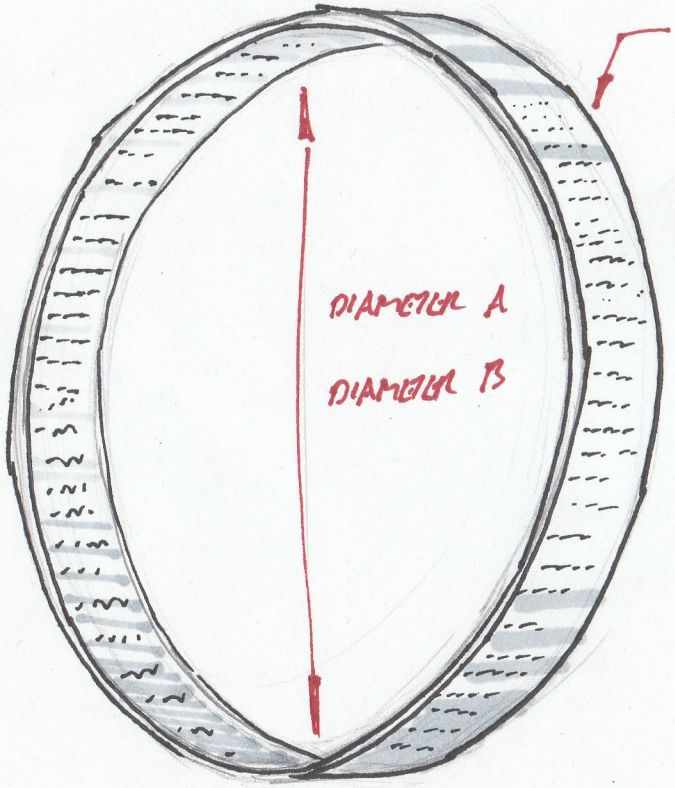
TO PREVENT CATHODE POISONING A LEADING ZERO ISN'T RECOMMENDED


12 HR CLOCK APPROPRIATE FOR NIXIE
24 HR CLOCK APPROPRIATE FOR LED OR PANAPLEX
5MM
ABCDEFG
ABCDEFG
ABCDEFG
ABCDEFG
ABCDEFG
ABCDEFG
ABCDEFG
ABCDEFG
BC
AB DE G
A CD FG
BC
FG
= 0000
= 0059
7x10MM
70MM
4x70+10=290 MM
300 TO 310 MM
INCLUDING PERFORATIONS
FOR "SPROCKET" DRIVE
AKIN TO 35MM FILM
DRIVE
13 00
12 59
12 58
12 57
12 56
12 55
12 54
1 00
12 59
12 58



PANAPLEX SIDE
HIGH VOLTAGE

ALL THE
ANODE SIDES
(1) OF EL817
IN SERIES



DIAMETER A
FOR LED AND PANAPLEX

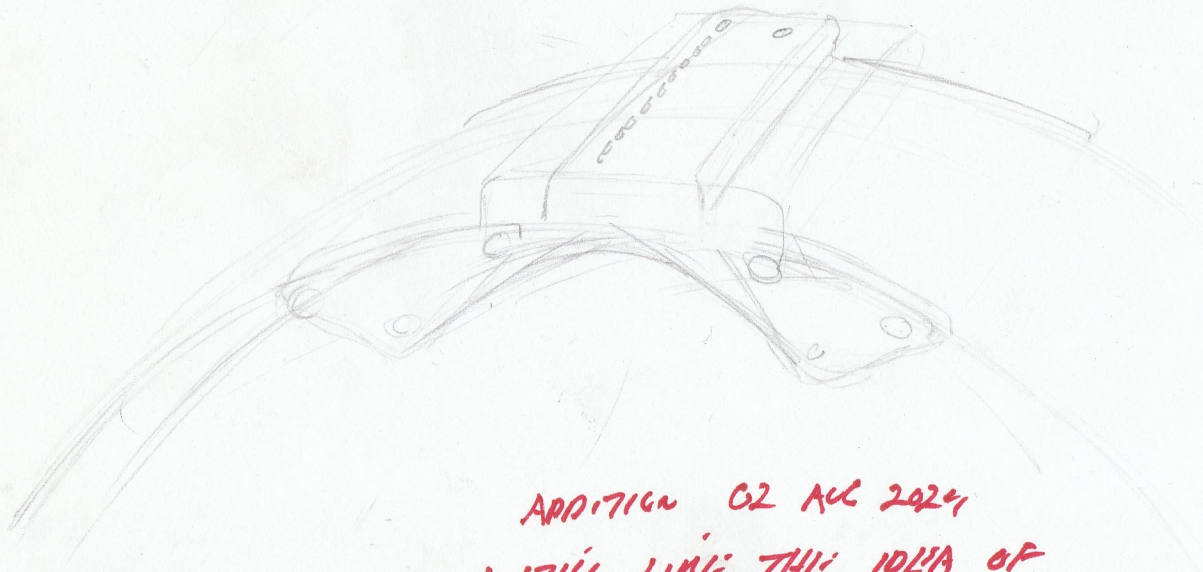
$$\frac{60}{\text{MINUTES}} \times \frac{24}{\text{HOURS}} \times \frac{5}{\text{MM/MIN}} = \frac{7200}{\pi} = 2292 \text{ MM}$$

2292 MM OR 230 CM DIAMETER RING

DIAMETER B
FOR MIXIES

$$\frac{60}{\text{MINUTES}} \times \frac{12}{\text{HOURS}} \times \frac{5}{\text{MIN/MM}} = \frac{3600}{\pi} = 1146 \text{ MM}$$

1146 MM OR 114.6 CM RING



ADDITION 02 AUG 2024

I STILL LIKE THE IDEA OF
A 1 RPM MOTOR DRIVEN MICRO
SWITCH CLOCK
IT REPLACES THE JACQUARD LOOM
THE PUNCH CARDS.
IS THE ARTISTIC MERIT SUFFICIENT?
DOES IT OUTWEIGH THE TECHNICAL
EXERCISE?

ALAN

PROJECT DELAYED / ON HOLD

35
34.5

32.7
2.85